



Standards *Actions*

DOE Projects Canceled

The following DOE technical standard project was recently canceled. If you have any questions about this action, please contact the persons listed below.

- *Guidelines for Preparing Criticality Safety Evaluations at Department of Energy Non-Reactor Nuclear Facilities*, Project Number SAFT-0069; Jerry McKamy, EH-34, 301-903-8031, Jerry.McKamy@hq.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program (TSP) Web Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Tritium Handling and Safe Storage*, Project Number SAFT-0054; Bill Weaver, EH-34, 301-903-7038, Bill.Weaver@eh.doe.gov; comments due September 18, 1998.

DOE Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-3023-98, *Guidelines for Risk-Based Prioritization of DOE Activities*, April 1998.
- DOE-STD-3022-98, *DOE HEPA Filter Test Program*, April 1998.
- DOE-HDBK-1116-98, *Guide to Good Practices for Developing and Conducting Case Studies*, January 1998.
- DOE-TSL-4-98, *Directory of DOE and Contractor Personnel Involved in Non-Government Standards Activities*, May 1998.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The following documents were recently added to the TSP Internet Home Page.

- [DOE-STD-1120-98](#), *Integration of Environment, Safety, and Health into Facility Disposition Activities*, Volumes 1 and 2, May 1998.
- [DOE-STD-1128-98](#), *Guide of Good Practices for Occupational Radiological Protection in Plutonium Facilities*, June 1998.
- [DOE-HDBK-1116-98](#), *Guide to Good Practices for Developing and Conducting Case Studies*, January 1998.
- [DOE-HDBK-1206-98](#), *Guide to Good Practices for On-the-Job Training*, April 1998.
- [DOE-TSL-4-98](#), *Directory of DOE and Contractor Personnel Involved in Non-Government Standards Activities*, May 1998.

Technical Standards Program Document Status as of 7/31/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	50	21	3

Total in process = 71

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and avail-



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

able non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

The following American National Standards are currently in coordination:

- ACI 216.1-97/TMS 0216.1-97, *Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies* (new standard); comments due September 1, 1998.
- ASME BPVC Revision: 1999 Addenda, *ASME Boiler and Pressure Vessel Code* (revision of 2/27/98 Meeting); comments due September 1, 1998.
- EIA SP-2907-A (if approved, to be published as ANSI/EIA 364-83), *Insulation Resistance Test Procedure for Electrical Connectors, Sockets and Coaxial Contacts* (new standard); comments due September 1, 1998.
- ISA dS93.0.01, *Standard Method for the Evaluation of External Leakage of Manual and Automated On-Off Valves* (new standard); comments due September 1, 1998.
- NFPA 13, *Standard for the Installation of Sprinkler Systems* (revision of ANSI/NFPA 13-1996); comments due October 2, 1998.
- NFPA 54, *National Fuel Gas Code* (new standard); comments due October 2, 1998.
- NFPA 72, *National Fire Alarm Code* (revision of ANSI/NFPA 72-1996); comments due October 2, 1998.
- NFPA 90A, *Installation of Air Conditioning and Ventilating Systems* (revision of ANSI/NFPA 90A-1996); comments due October 2, 1998.
- NFPA 170, *Fire Safety Symbols* (revision of ANSI/NFPA 170-1996); comments due October 2, 1998.
- NFPA 180, *Respiratory Protective Escape Device* (new standard); comments due October 2, 1998.
- NFPA 326, *Standard Procedures for the Safe Entry of Underground Storage Tanks* (revision of ANSI/NFPA 326-1993); comments due October 2, 1998.
- NFPA 329, *Underground Releases of Flammable and Combustible Liquids* (revision of ANSI/NFPA 329-1992); comments due October 2, 1998.
- NFPA 485, *Lithium* (revision of ANSI/NFPA 485-1994); comments due October 2, 1998.
- NFPA 820, *Fire Protection in Wastewater Treatment Plants and Collection Facilities* (revision of ANSI/NFPA 820-1995); comments due October 2, 1998.
- NFPA 1221, *Public Fire Service Communications* (revision of ANSI/NFPA 1221-1994); comments due October 2, 1998.
- NFPA 1936, *Hydraulic Powered Rescue Tools* (new standard); comments due October 2, 1998.
- UL 10B, *Standard for Safety for Fire Tests of Door Assemblies* (revision of ANSI/UL 10B-1988); comments due September 15, 1998.
- UL 10C, *Standard for Safety for Positive Pressure Fire Tests of Door Assemblies* (new standard); comments due September 15, 1998.
- UL 147, *Standard for Safety for Hand-Held Torches for Fuel Gases* (revision of ANSI/UL 147-1995); comments due September 15, 1998.

- UL 147A, *Standard for Safety for Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies* (revision of ANSI/UL 147A-1994); comments due September 15, 1998.
- UL 1746, *Standard for Safety for External Corrosion Protection Systems for Steel Underground Storage Tanks* (new standard); comments due September 15, 1998.
- UL 1821, *Standard for Safety for Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service* (new standard); comments due August 17, 1998.

The following international standards are currently in coordination (comment due dates follow each entry):

- 45A/332/FDIS, Draft IEC 60780, Ed. 2: *Nuclear power plants - Electrical equipment of the safety system - Qualification* - August 15, 1998.
- ISO/DIS 10015, *Quality management - Guidelines for training* - October 3, 1998.
- prEN 1052-1, *Method of test for masonry - Part 1: Determination of compressive strength* (for information).
- prEN 1278, *Chemical used for treatment of water intended for human consumption - Ozone* (for information).
- prEN 1330-1, *Non-destructive testing - Terminology - Part 1: List of general terms* (for information).
- prEN 1800, *Transportable gas cylinders - Acetylene cylinders - Basic requirements and definitions* (for information).
- prEN 12190, *Products and systems for the protection and repair of concrete structures - Test methods - Determination of compressive strength of repair mortar* (for information).
- prEN 13239, *Reaction to fire tests for floor coverings - Tablet test at ambient temperature* - October 21, 1998.
- prEN 13263, *Silica fume for concrete - Definitions, requirements and conformity control* - November 11, 1998.
- prEN 45510-2-2, *Guide for procurement of power station equipment - Part 2-2: Electrical equipment - Uninterruptible power supplies* (for information).
- prEN ISO 12737, *Metallic materials - Determination of plane strain fracture toughness* (ISO 12737:1996) - October 21, 1998.
- prEN ISO 13943, *Glossary of fire terms and definitions* (ISO/DIS 13943: 1998) - September 14, 1998.
- prHD 384.1 S2, *Electrical installations of buildings - Part 1: Scope, object and fundamental principles* - October 10, 1998.

The following newly published international standards are available from ANSI:

- ISO 10931-5:1998, *Plastics piping systems for industrial applications - Poly(vinylidene fluoride) (PVDF) - Part 5: Fitness for purpose of the system.*
- ISO 11625:1998, *Gas cylinders - Safe handling.*
- ISO 12210-4:1998, *Cranes - Anchoring devices for in-service and out-of-service conditions - Part 4: Jib cranes.*
- ISO 12543-1:1998, *Glass in building - Laminated glass and laminated safety glass - Part 1: Definitions and description of component parts.*
- ISO 13090-1:1998, *Mechanical vibration and shock - Guidance on safety aspects of tests and experiments with people - Part 1: Exposure to whole-body mechanical vibration and repeated shock.*

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:

(the due date for all items is August 10, 1998).

- New Standard, *Test Method for Electrical Resistance of Conductive Resilient Flooring* (Formerly F 150-89).
- New Standard, *Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) Fuel Gas Distribution Systems* (Ref. Z6907Z).
- New Standard, *Test Method for Determining Oxidation Onset Temperature of Hydrocarbons by Differential Scanning Calorimetry* (Ref. Z6923Z).
- New Standard, *Practice for Statistical Treatment of Thermoanalytical Data* (Ref. Z7197Z).

The following newly published standards are available from ASTM:

- B 163-97a, *Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes* (revised standard).
- B 351-97, *Specification for Hot-Rolled and Cold-Finished Zirconium and Zirconium Alloy Bars, Rod, and Wire for Nuclear Application* (revised standard).
- B 352-97, *Specification for Zirconium and Zirconium Alloy Sheet, Strip, and Plate for Nuclear Application* (revised standard).
- B 811-97, *Specification for Wrought Zirconium Alloy Seamless Tubes for Nuclear Reactor Fuel Cladding* (revised standard).
- C 1344-97, *Test Method for Isotopic Analysis of Uranium Hexafluoride by Single-Standard Gas Source Mass Spectrometer Method* (revised standard).
- C 1366-97, *Test Method for Tensile Strength on Monolithic Advanced Ceramics at Elevated Temperatures* (new standard).
- C 1368-97, *Test Method for Determination of Slow Crack Growth Parameters of Advanced Ceramics by Constant Stress-Rate Flexural Testing at Ambient Temperature* (new standard).
- D 149-97a, *Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Electrical Insulating Materials at Commercial Power Frequencies* (revised standard).
- D 1600-97, *Terminology for Abbreviated Terms Relating to Plastics* (revised standard).
- D 2526-97, *Specification for Ozone-Resisting Silicone Rubber Insulation for Wire and Cable* (revised standard).

- D 5992-96, *Guide to Dynamic Testing of Vulcanized Rubber and Rubberlike Materials Using Vibratory Methods* (new standard).
- D 6085-97, *Practice for Sampling in Rubber Testing—Terminology and Basic Concepts* (new standard).
- D 6096-97, *Specification for Poly (Vinyl Chloride) Insulation for Wire and Cable, 90°C Operation* (new standard).
- D 6113-97, *Test Method for Using a Cone Calorimeter to Determine Fire-Test-Response Characteristics of Insulating Materials Contained in Electrical or Optical Fiber Cables* (new standard).
- D 6176M-97, *Practice for Measuring Surface Atmospheric Temperature With Electrical Temperature Sensors [Metric]* (new standard).
- D 6177-97, *Practice for Determining Emission Profiles of Volatile Organic Chemicals Emitted From Bedding Sets* (new standard).
- D 6180-97, *Test Method for Stability of Insulating Oils of Petroleum Origin Under Electrical Discharge* (new standard).
- D 6187-97, *Practice for Cone Penetrometer Technology Characterization of Petroleum-Contaminated Sites With Nitrogen Laser-Induced Fluorescence* (new standard).
- D 6190-97, *Test Method for Cathodic Disbonding of Pipeline Coatings by Laboratory Simulation of Soil Burial* (New Standard).
- E 1867-97, *Method for Temperature Calibration of Dynamic Mechanical Analyzers* (new standard).
- E 1876-97, *Test Method for Dynamic Young's Modulus, Shear Modulus and Poisson's Ratio by Impulse Excitation of Vibration* (new standard).
- E 1884-97, *Guide for General Requirements for Bodies Operating Assessment and Certification/Registration of Quality Systems* (new standard).
- E 1893-97, *Guide for Selection and Use of Portable Radiological Survey Instruments for Performing in Situ Radiological Assessments in Support of Decommissioning* (new standard).
- E 1904-97, *Guide for General Criteria for Supplier's Declaration of Conformity* (new standard).
- E 1921-97, *Test Method for Determination of Reference Temperature (T) for Ferritic Steels in the Transition Range* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers (ASME)

Office: 345 East 47th Street
M/S 10C
New York, NY 10017

Fax: 212-705-8501

Contact: C. J. Gomez, gomezc@asme.org

- ASME A112.1.3M, *Air Gap/Break Devices* (new standard).

American Society of Sanitary Engineering (ASSE)

Office: 28901 Clemans Road
Suite 100
Westlake, OH 44145-1166

Fax: 440-835-3488

Contact: Shannon Corcoran, ASSE@IX.netcom.com

- ASSE 1043, *Performance Requirements for Cast Iron Solvent Sanitary Drainage Systems* (new standard).
- ASSE 1064, *Performance Requirements for Backflow Field Testing Kits* (new standard).

American Society for Testing and Materials (ASTM)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: 610-832-9666

Contact: George Luciw, gluciw@astm.org

- ASTM Z7349Z, *New Standard Practice for Determining Total Image Unsharpness in Radiology* (new standard).
- ASTM Z7382Z, *Test Methods for Atmospheric Leaks Using a Thermal Conductivity Leak Detector* (new standard).

Contact: Katharine Morgan, kmorgan@astm.org

- ASTM Z6873Z, *Test Method for Determining Aerobic Biodegradation of Radiolabeled Plastic Material in a Compost Environment* (new standard).

Compressed Gas Association

Office: 1725 Jefferson Davis Highway, Suite 1004
Arlington, VA 22202-4102

Fax: 703-412-0128

Contact: Debbie Angerman, dangerman@cganet.com

- CGAE-1, *Standard Connections for Regulator Outlets, Torches, and Fitted Hose for Welding and Cutting Equipment* (new standard).

- CGA E-4, *Standard for Gas Pressure Regulators* (new standard).
- CGA- G-7.1, *Commodity Specification for Air* (New standard).
- CGA V-9, *Compressed Gas Association Standard for Compressed Gas Cylinder Valves* (new standard).

National Safety Council

Office: 1121 Spring Lake Drive
Itasca, IL 60143

Fax: 603-285-0242

Contact: Alan F. Hoskin, hoskina@nsc.org

- Z16.2, *Information Management for Occupational Safety and Health* (revision of ANSI Z16.2-1995).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

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